

IN THE CLAIMS

Claims 23-25 and 27-29 have been amended; claims 1-22 and 30-39 have been cancelled without prejudice; and claims 40-45 have been added:

1-22. (CANCELLED)

23. (CURRENTLY AMENDED) A method for forming a data frame transmitted from a mobile station to a network for use in a wireless communication system comprising a base station operable to wirelessly communicate with a plurality of stations, the method comprising:

~~forming a header portion and a data portion;~~

assigning a first field of the header portion to indicate whether the data frame has a request of presence of a time resource for another data transmission while sending data included in the data portion; ~~request; and~~

assigning a second field of the header portion to identify an amount of the time resource ~~request requested; and for a future transmission~~

assigning a third field of the header portion to contain control information needed to process the data portion.

24. (CURRENTLY AMENDED) The method according to claim 23, wherein the control information indicates the data frame is one of a plurality of fragmented data frames. ~~further comprising:~~

~~assigning a third field of the header portion to identify that the data frame is one of a plurality of fragmented data frames.~~

25. (CURRENTLY AMENDED) The method according to claim 23, wherein the control information indicates that the data frame is a retransmission of an earlier frame. ~~further comprising:~~

~~assigning a third field of the header portion to identify that the data frame is a retransmission of a earlier data frame.~~

26. (PREVIOUSLY PRESENTED) The method according to claim 23, further comprising:

transmitting the data frame to a base station.

27. (CURRENTLY AMENDED) A station operable within a wireless communication system, the station comprising:

a data frame generator configured to form a data frame comprising a header portion and a data portion by:

~~forming a header portion and a data portion;~~ and

assigning a first field of the header portion to identify the time a time resource request for a future transmission;

assigning a second field of the header portion to identify an amount of the time resource ~~request~~ requested for a future transmission;

assigning a third field of the header portion to contain control information needed to process the data portion; and

a transmitter for transmitting the data frame to a base station.

28. (CURRENTLY AMENDED) The station according to claim 27, wherein the control information indicates the data frame is one of a plurality of fragmented data frames. ~~the data frame generator is further configured to form the data frame by:~~

~~assigning a third field of the header portion to identify that the data frame is one of a plurality of fragmented data frames.~~

29. (CURRENTLY AMENDED) The station according to claim 27, wherein the control information indicates that the data frame is a retransmission of an earlier frame. ~~the data frame generator is further configured to form the data frame by:~~

~~assigning a third field of the header portion to identify that the data frame is a retransmission of an earlier data frame.~~

30-39. (CANCELLED)

40. (NEW) A method of transmitting data from a mobile station to a network in a wireless communication system, the method comprising:

transmitting a time resource request within a data frame, wherein the data frame comprises a header portion and a data portion, and wherein the header portion has at least a first field to indicate to the network that the data frame has the time resource request, a second field to contain an amount of time resource required, and a third field to contain control information necessary to process the data portion;

receiving a time resource allocation responsive to the time resource request; and

transmitting the data frame within the allocated time resource.

41. (NEW) The method according to claim 40, wherein the control information indicates the data frame is one of a plurality of fragmented data frames.

42. (NEW) The method according to claim 40, wherein the control information indicates that the data frame is a retransmission of an earlier frame.

43. (NEW) A method of transmitting data in a wireless communication system, the method comprising:

forming a data frame in a mobile station having a header portion and a data portion, wherein the header portion has at least a first field to indicate to the network that the data frame has the time resource request, a second field to contain an amount of time resource required, and a third field to contain control information necessary to process the data portion;

transmitting the data frame to the network;

allocating the time resource responsive to the time resource request by the network;

receiving an indication at the mobile station of the allocated time resource; and

transmitting the data frame from the mobile station to the network.

44. (NEW) The method according to claim 43, wherein the control information indicates the data frame is one of a plurality of fragmented data frames.

45. (NEW) The method according to claim 43, wherein the control information indicates that the data frame is a retransmission of an earlier frame.